

Method for biostimulation of plants with in situ composition dominated by *Chlorella* spp. includes actions during which in situ biostimulating composition is obtained based on stable autochthonous microflora dominated by *Chlorella* spp., cultivated in a natural aquatic environment of biomass consisting of microorganisms autochthonous to that environment, with the addition of a complex mineral fertilizer at a concentration of 0.1–0.3 g/l of nitroammophoska in open conditions under natural insolation for 10–14 days at an average daily air temperature of 10–28 °C. Resulting biostimulating composition is applied by priming the seeds at a rate of 25–35 ml of the composition per 1 kg of seeds for 6–8 hours.